

Appl. No.: 09/864,103
Amdt. Dated July 23, 2003
Reply to Office action of Feb. 25, 2003
Group Art Unit: 3712

Patent
12798.0004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An archery bow dampening device, comprising:

~~said device being made of an elastomer and having a base portion and~~
substantially wedge-like extension portion suspended from the base portion, the base
portion and the wedge-like extension portion being made of an elastomer;

~~the base portion having a contact area positioned on the base portion and, said~~
~~base portion being fixedly attachable along its~~the contact area to an archery bow; to
~~absorb the energy of the vibratory oscillations, resulting from the abrupt return of the~~
~~limbs and string of the bow to their original positions, through expansion and contraction~~
~~of said dampening portion;~~

38 ~~said suspended portion being configured for,~~ wherein the wedge-like extension
portion is configured to be free of contact with the archery bow in directions which are
generally normal to the longitudinal axis of the archery bow reciprocating in the plane of
the bow.

2. (Original) The device as recited in claim 1, wherein said device further
comprises a notch and an insert both made of elastomers,

said insert being disposed within the notch,

said insert being made of one or more elastomers of lower durometer properties
than the elastomer of said base portion, whereby said insert is compressed in the notch.

3. (Original) The device as recited in claim 2, wherein the Shore hardness of
the elastomer from which said device is fabricated is in the range of 20 to 60,

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4. (Original) The device as recited in claim 3, wherein the Shore hardness of the elastomer from which said insert is fabricated is in the range of 0 to 20.

5. (Original) The device as recited in claim 1 wherein the Shore hardness of the elastomer from which said device is fabricated is in the range of 0 to 20.

6. (Original) The device as recited in claim 1 wherein said device comprises fastening means for attaching said device to the archery bow.

7. (Original) The device as recited in claim 6, wherein said fastening means comprises an adhesive strip, having a coating of pressure-sensitive adhesive, fixedly attached to said contact area of the device.

38 8. (Original) The device as recited in claim 6, wherein said adhesive substance is selected from the group consisting of super glue, general purpose glue, epoxy resin, acrylic resin, urethane resin, cement, natural gums and resins, mucilage, starch and starch derivatives, rubber adhesives, cellulose derivatives, and combinations thereof.

9. (Original) The device as recited in claim 1, wherein said device is constructed and arranged for affixing to at least one of the limbs of the archery bow.

10. (Original) The device as recited in claim 6 wherein said fastening means comprises a mechanical fastener.

11. (Currently amended) An archery bow dampening device, comprising:
~~said device being made of an elastomer and having a base portion and~~
substantially wedge-like extension portion suspended from the base portion, the base
portion and the wedge-like extension portion being made of an elastomer;

~~the base portion having a contact area positioned on the base portion and, said~~
~~base portion being fixedly attachable along its~~ the contact area to an archery bow; to

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~~absorb the energy of the vibratory oscillations, resulting from the abrupt return of the limbs and string of the bow to their original positions, through expansion and contraction of said dampening portion;~~

~~said suspended portion being configured for vibration, wherein the wedge-like extension portion is configured to be free of contact with the archery bow in directions which are generally normal to the longitudinal axis of the archery bow reciprocating in the plane of the bow;~~

a notch formed in the device;

~~and an insert both made of elastomer,~~

~~said insert being disposed within the notch, and~~

138 ~~said insert being made of one or more elastomers of lower durometer properties than the elastomer of said the base portion, whereby said the insert is being compressed in the notch.~~

12. (Previously presented)The device as recited in claim 11, wherein the Shore hardness of the elastomer from which said device is fabricated is in the range of 20 to 60.

13. (Previously presented) The device as recited in claim 12, wherein the Shore hardness of the elastomer from which said insert is fabricated is in the range of 0 to 20.

14. (Previously presented) The device as recited in claim 11 wherein the Shore hardness of the elastomer from which said device is fabricated is in the range of 0 to 20.

15. (Previously presented) The device as recited in claim 11 wherein said device comprises fastening means for attaching said device to the archery bow.

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16. (Previously presented) The device as recited in claim 15, wherein said fastening means comprises an adhesive strip, having a coating of pressure-sensitive adhesive, fixedly attached to said contact area of the device.

17. (Previously presented) The device as recited in claim 15, wherein said adhesive substance is selected from the group consisting of super glue, general purpose glue, epoxy resin, acrylic resin, urethane resin, cement, natural gums and resins, mucilage, starch and starch derivatives, rubber adhesives, cellulose derivatives, and combinations thereof.

18. (Previously presented) The device as recited in claim 11, wherein said device is constructed and arranged for affixing to at least one of the limbs of the archery bow.

19. (Previously presented) The device as recited in claim 15 wherein said fastening means comprising a mechanical fastener selected from the list consisting of:

screws;

nails;

clips;

channels;

bands; and

ties.

20. (New) A dampening device for an archery bow, comprising:

a wedge portion having a base and a substantially triangular extension
extending from the base;

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a plate secured to the base and configured to affix the wedge portion to an archery bow.

21. (New) The device of claim 20 wherein the wedge portion is manufactured from an elastomer.

22. (New) The device of claim 20 further comprising an insert locatable within the wedge portion.

B 9 23. (New) The device of claim 22 insert comprises at least two elastomers of different durometers.

24. (New) The device of claim 20 wherein the plate further comprises an adhesive face.

25. (New) The device of claim 20 wherein the device may be affixed to the archery bow using at least one material selected from the group consisting of adhesives, epoxy resin, acrylic resin, urethane, resin, cement, natural gums, natural resins, mucilage, starch, starch derivatives, rubber adhesives, cellulose derivatives, screws, nails, clips, channels, bands, and ties.

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Amendments to the Drawings:

Please cancel Fig. 9 from the present application.